

Web-enabled Visualization and Access of Value-added Disaster Products

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Project Summary

This CDI-funded project will support enhanced search, access, and visualization of disaster-related products and images that are provided to USGS by contributors for sharing across the response community during an emergency event.

Contributed products are already hosted and delivered via the existing USGS Hazards Data Distribution System (HDDS), but the products are not easy to visualize or access.

The project will support expanded ingest capabilities for HDDS, allowing contributed images and map products to be more easily shared, discovered, visualized, and accessed by the user community.

Hazards Data Distribution System (HDDS)

The HDDS is a public USGS web portal that provides a consolidated point-of-entry and distribution system for remotely sensed imagery and other geospatial datasets related to emergency response. When disasters occur, this system provides a critical source of satellite and aerial imagery for the emergency response community.

The HDDS allows rapid selection, preview, and download of relevant pre- and post-event images. The system has supported hundreds of emergency events since its inception in 2010.

HDDS Contributors

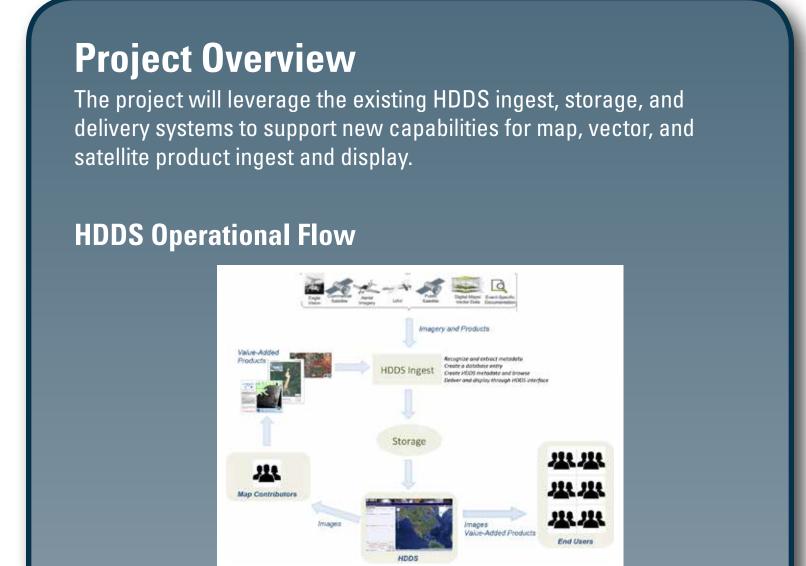
The imagery and datasets on HDDS include imagery collected by USGS, as well as contributed datasets from many other agencies and collaborators. Contributing agencies include NASA, NOAA, FEMA, DHS, NGA, National Guard, Civil Air Patrol (CAP), state agencies, and others.

HDDS Users

The HDDS-hosted imagery is accessed by end users from all levels of government (Federal, State, local, tribal, and international) as well as many other organizations and communities engaged in emergency event support.

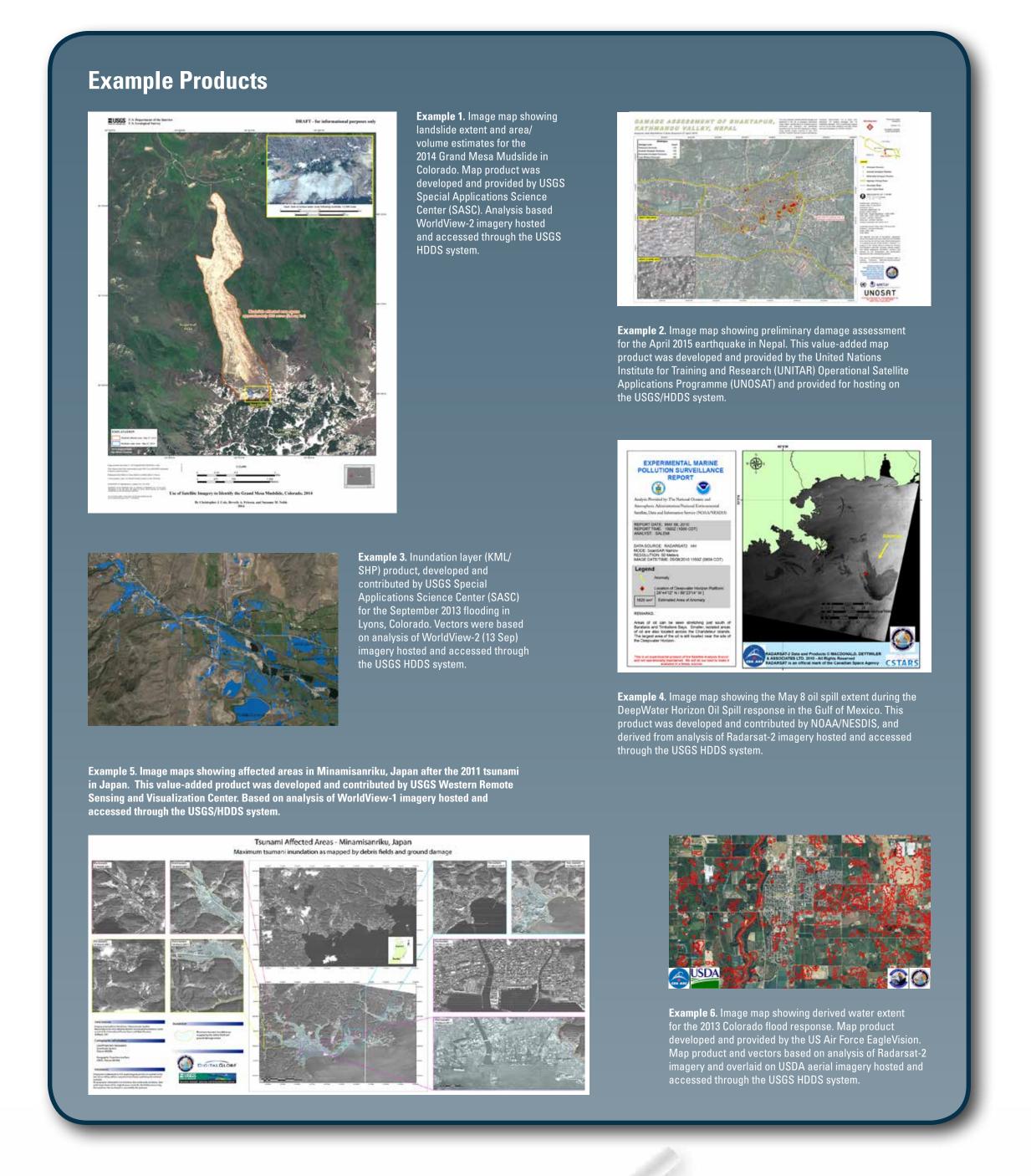
More Information

HDDS: http://hddsexplorer.usgs.gov/
Emergency Operations Portal: http://eoportal.usgs.gov





Ingested Data Access: Example screenview showing the HDDS search results.



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INTEGRATION